| Index of Claims |  |
|-----------------|--|
|                 |  |

| _ | Application No.     | Applicant(s) |
|---|---------------------|--------------|
|   | 09/846,380          | KAMPE ET AL. |
|   | Examiner            | Art Unit     |
|   | Hussein A El-chanti | 2157         |

| / | Rejected | ı | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| Ζ | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Date   |          |         |              |                   | :::: | Claim Date                                       |              |  |                 |          |         |  |          |  | CI              | aim      | Date     |          |  |        |  |        |  |          |  |                 |                 |                 |          |          |                 |          |           |
|--------------|----------|---------|--------------|-------------------|------|--|--------------|--|-----------------|----------|---------|--|----------|--|-----------------|----------|----------|----------|--|--------|--|--------|--|----------|--|-----------------|-----------------|-----------------|----------|----------|-----------------|----------|-----------|
|              |          | Г       | Τ            | TH                | Ī    |  |              |  | П               | $\dashv$ |         |  |          | П  | T               | Т        | T        | $\top$   |  |        |  |        |  | ·        |  |                 | $\Box$          | T               | T        |          | Т               | $\top$   | ヿ         |
| ख            | Original | 3/22/05 | 3            |                   |      |  |              |  |                 |          |         | <u>a</u>   | Original |  | -               |          | -        |          |  |        |  |        | त्त  | Original |  |                 |                 |                 | -        |          |                 |          |           |
| Final        | ij       | 50      | 11           |                   |      |  |              |  |                 |          |         | Final  | 'n       | H  | ĺ               |          |          |          |  |        |  |        | Final  | ri g     |  |                 |                 |                 |          |          |                 |          | ļ         |
|              | 0        | ۱۳      | 1            |                   |      |  | ΙÌ           |  |                 |          |         |  | 0        |  |                 |          |          |          |  |        |  |        |  | 0        |  |                 |                 |                 |          |          |                 |          | - 1       |
|              | 1        | ī       | 7            | 11                | _    | П  |              |  | T               |          |         |  | 51       |  | $\neg$          | 丁        | ┪        | $\neg$   | _                                      |        |  |        |  | 101      |  |                 | $\neg$          | 寸               |          |          | 寸               | $\Box$   |           |
|              | 2        | i       | 7            | _                 |      |  | П            |  | $\Box$          | ヿ        |         |  | 52       | П  | T               | T        | 1        | 1        | $\top$                                 |        |  |        |  | 102      |  |                 |                 |                 | $\neg$   |          | $\neg$          | T        |           |
|              | 3        | H       | +            | $\dashv$          |      | П  | Н            | $\Box$   | $\Box$          |          |         |  | 53       |  |                 | T        | T        | T        |  | $\Box$ |  |        |  | 103      |  |                 | $\neg$          | 寸               | 寸        | Ť        | $\exists$       |          |           |
|              | 4        | H       | $^{\dagger}$ | $\dashv$          | _    |  | Н            |  |                 | ┪        |         |  | 54       | П  | $\exists$       | _        |          | +        | 十                                      | $\top$ |  |        |  | 104      |  |                 | 7               | T               | 一        |          | $\neg$          | $\neg$   | $\neg$    |
|              | 5        | H       | +            | $\dashv$          | _    |  | Н            |  | $\Box$          | ┪        |         |  | 55       | $\Box$   | $\neg$          | _        | $\top$   | $\dashv$ | 十                                      | 11     |  |        |  | 105      |  |                 | 寸               |                 | ╗        |          | $\neg$          | $\neg$   | $\neg$    |
|              | 6        | H       | +            |                   | _    | _  | Н            | Н  | $\vdash$        | ᅥ        |         |  | 56       |  | $\Box$          |          | +        | _        | +                                      | 11     |  |        |  | 106      |  | $\neg$          | 寸               |                 | ┪        |          | 寸               | $\neg$   | $\neg$    |
|              | 7        | Н       | +            | 1                 |      |  | Н            | П  | $\vdash$        | $\neg$   |         |  | 57       |  |                 | ┪        | $\top$   | $\neg$   | +                                      | 11     | _  |        |  | 107      |  | $\dashv$        |                 | Ť               | 7        | - 1      | T               | $\neg$   | $\neg$    |
| <u> </u>     | 8        | H       | ┪            |                   | _    |  | Н            |  | $\Box$          | $\neg$   |         |  | 58       | П  |                 |          | _        |          | 十                                      |        |  |        |  | 108      |  |                 |                 | $\neg$          |          | T        | $\neg$          | ヿ        | $\neg$    |
|              | 9        | H       | 7            |                   | _    | ┢  | П            | H  | $\Box$          | $\neg$   |         |  | 59       | П  |                 | $\dashv$ | $\top$   | $\top$   | $\top$                                 | $\top$ |  |        |  | 109      |  | $\Box$          |                 | T               | İ        |          |                 | 寸        | $\neg$    |
|              | 10       | Н       | 1            |                   | _    | $\vdash$   | Н            |  | H               | $\dashv$ |         |  | 60       | H  |                 | T        | $\top$   | $\top$   | _                                      | 11     |  |        |  | 110      |  |                 |                 | T               |          |          | $\neg$          | ヿ        | ヿ         |
| -            | 11       | H       | $^{\dagger}$ |                   |      | _  | Н            |  | $\Box$          | $\neg$   |         |  | 61       | H  |                 | $\top$   | $\top$   | $\top$   |  | $\top$ |  |        |  | 111      |  | $\neg$          |                 | 寸               |          |          | $\neg$          | ヿ        | ヿ         |
|              | 12       | H       | +            | $\dashv$          |      |  | Н            |  | $\vdash$        | $\dashv$ |         |  | 62       | Н  | $\dashv$        | 十        | 十        | +        | $\dagger$                              | +      | Ι  |        |  | 112      |  |                 | 一               |                 | $\neg$   | _        | $\dashv$        | $\dashv$ | ㅓ         |
|              | 13       | Н       | $\dagger$    |                   |      | $\vdash$   | Н            | Н  | H               | $\dashv$ |         |  | 63       | Н  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | +                                      | $\top$ |  |        |  | 113      | $\overline{}$                                    |                 | 寸               | $\neg \uparrow$ | _        |          | 十               | 十        | $\neg$    |
| <u> </u>     | 14       | Н       | H            | _                 |      |  | Н            |  | $\vdash$        | $\dashv$ |         |  | 64       | Н  |                 | $\dashv$ | 十        | $\top$   | +                                      | $\top$ | Т  |        |  | 114      |  | $\Box$          | $\dashv$        | ┪               | $\dashv$ |          | $\dashv$        | $\dashv$ | $\neg$    |
|              | 15       | H       | H            | $\dashv$          | _    | Н  | Н            | H  | H               | $\dashv$ |         |  | 65       | П  |                 | $\dashv$ | $\dashv$ | _        | $\top$                                 | $\top$ | П  |        |  | 115      |  |                 | _               |                 | $\neg$   | $\neg$   | $\dashv$        | 十        | $\neg$    |
| <b>—</b>     | 16       | H       | H            | $\dashv \dashv$   | _    | Г  | Н            |  | $\vdash$        | $\dashv$ |         |  | 66       | Н  |                 | $\dashv$ | $\dashv$ | +        | +                                      | $\top$ |  |        |  | 116      |  | $\Box$          | $\dashv$        | _               | $\neg$   |          | $\dashv$        | $\dashv$ | $\neg$    |
| <del></del>  | 17       | Н       | Н            | +                 | -    | Н  | $\vdash$     | Н  | H               | $\dashv$ |         |  | 67       | Н  |                 | $\dashv$ | $\dashv$ | _        | $\top$                                 | $\top$ | Н  |        |  | 117      |  | H               | $\dashv$        | 寸               | $\dashv$ | _        | $\dashv$        | $\dashv$ | $\dashv$  |
|              | 18       | Н       | Η            | $\dashv$          | _    | Н  | -            | H  | H               | $\dashv$ |         |  | 68       | $\vdash$   | $\dashv$        | 十        | $\dashv$ | +        | +                                      | +      |  |        |  | 118      | Н  | $\vdash$        | +               | 寸               | ヿ        | 一        | $\dashv$        | $\dashv$ | 一         |
|              | 19       | Н       | +            | +                 | -    | $\vdash$   | Н            | $\vdash$   |                 | $\dashv$ |         |  | 69       |  | -               | $\dashv$ | ╅        | $\dashv$ | ╁                                      |        | H  |        |  | 119      |  | $\dashv$        | 寸               | _               | 一        | ᅥ        | 十               | $\dashv$ | $\dashv$  |
|              | 20       | Н       | +            | $\dashv$          | _    | H  | Н            | $\vdash$   | $\vdash$        | -        |         |  | 70       | 1  | -               | ╅        | +        | +        | +                                      | +      | $\vdash$   |        |  | 120      | $\vdash$   | $\vdash$        | $\dashv$        | _               | ┪        | $\dashv$ | $\dashv$        | $\dashv$ | ᅥ         |
|              | 21       | Н       | H            |                   | -    | H  | H            |  | $\vdash$        | -        |         | <del></del>                                      | 71       | <del>                                     </del> | Н               | $\dashv$ | +        | +        | ╁                                      | +      | $\vdash$   |        |  | 121      |  |                 | $\neg \uparrow$ |                 |          | _        | $\dashv$        | $\dashv$ | ᅥ         |
| -            | 22       | Н       | H            |                   |      | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$        |          |         | <del>                                     </del> | 72       | 1  | -               | $\dashv$ | +        | +        | ╅                                      | +      | ╁  |        | -  | 122      |  | $\vdash$        | _               | $\dashv$        | $\dashv$ | $\dashv$ | 十               | 十        | $\neg$    |
| <u> </u>     | 23       | Н       | $\forall$    | + +               |      | -  | $\vdash$     |  | Н               | -        |         |  | 73       |  | $\dashv$        | $\dashv$ | +        | $\dashv$ | +-                                     | +      | H  |        | <u> </u>   | 123      | <del> -</del>                                    |                 | $\dashv$        | $\dashv$        | $\dashv$ | $\dashv$ |                 | ヿ        | $\neg$    |
| -            | 24       | H       | +            |                   | -    | -  | -            | ┝  | Н               | $\dashv$ |         |  | 74       | H  | H               | -+       | +        | +        | +-                                     | +      | $\vdash$   |        | <u> </u>   | 124      | -  |                 | $\dashv$        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
| -            | 25       | H       | +            |                   |      | ┢  | $\vdash$     | -  | H               |          |         | <u> </u>   | 75       | T  | $\dashv$        | -+       | 十        | $\dashv$ | +                                      | +      | H  |        | l  | 125      | $\vdash$   |                 | _               |                 | 1        |          | 一               | 寸        | $\neg$    |
|              | 26       | ╫       | ┪            |                   |      | -  | $\vdash$     | -  | $\vdash$        | $\neg$   |         |  | 76       | $\vdash$   | $\dashv$        | -+       | $\dashv$ | ╅        | +                                      | +      | H  |        | <b></b>  | 126      |  | $\vdash$        | $\dashv$        |                 |          |          | 一               | $\dashv$ | $\neg$    |
|              | 27       | ╫       | ┪            |                   |      | ┢  | Н            | -  | $\vdash$        | $\dashv$ |         |  | 77       | $\vdash$   | H               | $\dashv$ | ╅        | +        | +                                      | +      | $\vdash$   |        |  | 127      |  | $\vdash$        | $\dashv$        | $\dashv$        | $\dashv$ | _        | _               | 一        | -         |
| -            | 28       | +       | ┪            |                   |      | $\vdash$   | H            | -  |                 | _        |         | _  | 78       |  | H               | -        | ╅        | ╅        | +                                      | +      | $\vdash$   |        |  | 128      |  | Н               | $\dashv$        | $\neg$          |          |          | _               | 寸        | $\neg$    |
| _            | 29       | H       | ┪            |                   |      | <del>                                     </del> | H            | -  | Н               | -        |         | <del></del>                                      | 79       | $\vdash$   | Н               | $\dashv$ | +        | +        | +                                      | +      |  |        |  | 129      | <u> </u>   | $\vdash \dashv$ | 一               |                 |          | $\neg$   | -               | $\dashv$ | $\neg$    |
| -            | 30       | H       | ┪            | +                 | _    | ┢  | -            |  | Н               |          |         | <u> </u>   | 80       | +-   | $\vdash$        | +        | +        | +        | +                                      | ╁      | -  |        |  | 130      |  | Н               | -               | _               | -        | $\dashv$ | _               | $\dashv$ | -         |
|              | 31       | Н       | ┪            | +                 | _    | ┢  | <del> </del> |  | H               | -        |         |  | 81       | +-   | Н               |          | $\dashv$ | +        | 十                                      | ╁      | ┢  |        | -  | 131      |  | Н               | -               | $\dashv$        |          |          | $\dashv$        | $\dashv$ | -         |
| $\vdash$     | 32       | Н       | H            |                   | _    | ╁  | -            |  | $\vdash$        | -        |         | -  | 82       | $\vdash$   | Н               | $\dashv$ | +        | +        | +                                      | +      | $\vdash$   |        | <u> </u>   | 132      |  | Н               |                 | $\dashv$        | $\dashv$ |          | $\dashv$        | $\dashv$ | $\exists$ |
| -            | 33       | Н       | Н            | $\dashv$          | _    | $\vdash$   | $\vdash$     | -  | $\vdash$        | -        |         | _  | 83       | $\vdash$   | $\vdash$        | $\dashv$ | +        | -        | _                                      | +      | <del>                                     </del> |        | ┢  | 133      | _  | $\vdash$        | _               |                 |          |          | 一               | 寸        | _         |
| -            | 34       | Н       | Н            | $\dashv$          | -    | ┢  | -            | -  | $\vdash$        |          |         | _  | 84       |  | $\vdash$        | -        | ╅        | +        |  | +      | $\vdash$   |        | <b>-</b>   | 134      | $\vdash$   | $\vdash$        | $\dashv$        |                 |          | $\neg$   | $\dashv$        | _        | _         |
|              | 35       | Н       | Н            |                   |      | ├  | ╁            | $\vdash$   | Н               |          |         |  | 85       | ╁╌   | H               | 十        | +        | +        | +                                      | +      | H  |        | $\vdash$   | 135      |  |                 | $\dashv$        | $\dashv$        |          | $\dashv$ | $\dashv$        | 一        | _         |
| -            | 36       | H       | Н            | $\dashv$          |      | ┢  | H            | 1—   | $\vdash \vdash$ |          |         |  | 86       | +  | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | ╁                                      | +      | ⊢  |        |  | 136      |  | $\vdash \vdash$ | $\dashv$        | $\dashv$        |          | $\vdash$ | $\dashv$        | 十        | _         |
| -            | 37       | ۲       | H            | +                 | _    | ╁  | $\vdash$     |  | $\vdash$        |          |         | <del>                                     </del> | 87       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | 十        | $\dashv$ | +                                      | 1      |  | 1      |  | 137      |  | H               |                 | $\dashv$        |          | -        | $\dashv$        | $\dashv$ | _         |
| <del> </del> | 38       | H       | ₩            | $\dashv \dashv$   | _    | $\vdash$   | $\vdash$     | <del>                                     </del> | -               |          |         | _  | 88       | $\vdash$   | $\vdash$        | ┰        | +        | +        | +                                      | +      | 1  | ۱      |  | 138      | $\vdash$   | H               |                 |                 |          |          | $\neg \uparrow$ | -        | _         |
| -            | 39       | H       | ₩            | $\dashv \dashv$   |      | $\vdash$   | $\vdash$     | -  | $\vdash$        |          |         | $\vdash$   | 89       | +-   | $\vdash$        | $\dashv$ | $\dashv$ | +        | +                                      | +      | $\vdash$   |        | $\vdash$   | 139      | $\vdash$   | $\vdash$        | $\dashv$        | -               |          | $\vdash$ | $\dashv$        | $\dashv$ | _         |
| <u> </u>     | 40       | ╁       | #            | $\dashv$          |      | $\vdash$   | -            | $\vdash$   | ┝╌┤             |          |         |  | 90       | +  | H               | $\dashv$ | +        | $\dashv$ | +                                      | +      | 1  |        | $\vdash$   | 140      | _  | H               |                 | $\dashv$        | $\dashv$ | $\vdash$ | $\dashv$        | $\dashv$ | _         |
|              | 41       |         | Н            | +                 |      | <del> </del>                                     | +-           | ╁╌   | $\vdash \vdash$ |          |         |  | 91       | $\vdash$   | $\vdash \vdash$ | -+       | +        | +        | +                                      | +      |  | l      | <del> </del>                                     | 141      | <del>                                     </del> | $\vdash$        |                 | $\dashv$        | Н        | -        | $\dashv$        | $\dashv$ | -         |
| -            | 42       | Н       | $\dashv$     | +                 | _    | $\vdash$   | <del> </del> |  | -               |          |         | <b></b> -  | 92       | $\vdash$   | -               | -+       | $\dashv$ | +        | +                                      | +      |  | 1      | <del>                                     </del> | 142      | ┢  | $\vdash$        |                 | -               | $\vdash$ | Н        | $\dashv$        | -        | _         |
| -            | 43       | H       | +            | $\dashv \dashv$   |      | $\vdash$   | $\vdash$     | $\vdash$   | ┥               |          |         | <del>                                     </del> | 93       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | +        | +        | +                                      | +      | $\vdash$   | 1      | -  | 143      | $\vdash$   | Н               |                 | $\neg$          | $\dashv$ | $\dashv$ | $\vdash$        | $\dashv$ | _         |
| $\vdash$     | 44       | H       | $\dashv$     | $\dashv$          |      | ├-   | $\vdash$     | <del> </del>                                     | $\vdash$        |          |         | <del>                                     </del> | 94       | $\vdash$   | $\vdash$        | $\dashv$ | +        | +        | +                                      | ╁      | $\vdash$   |        | <u> </u>   | 144      | <u> </u>   | Н               | $\vdash$        |                 | $\vdash$ | Н        | $\sqcap$        | $\dashv$ |           |
| <b>-</b>     | 45       | H       | $\dashv$     | $\dashv$          |      | +-   | ╁            | $\vdash$   | $\vdash$        |          |         | <del> </del>                                     | 95       | $\vdash$   | $\vdash$        | $\dashv$ | +        | +        | +                                      | +      | $\vdash$   |        | <u> </u>   | 145      | $\vdash$   | H               |                 | $\dashv$        | $\vdash$ | Н        | $\sqcap$        | 一        | _         |
| <b> </b>     | 46       | H       | 7            | $\dashv$          |      | ┢  | $\vdash$     | $\vdash$   | ┼─┤             |          |         | -  | 96       | ╁  | $\vdash$        | $\dashv$ | $\dashv$ | +        | +                                      | +-     | <del> </del>                                     |        |  | 146      | -  | $\vdash$        | $\vdash$        | -               | Н        | H        | $\sqcap$        | $\dashv$ | _         |
|              | 47       | ť       | 4            | <del>-  -  </del> |      | $\vdash$   | +            | $\vdash$   | $\vdash$        | _        |         | <del></del>                                      | 97       | +  | $\vdash$        | $\dashv$ | +        | +        | +                                      | +-     | $\vdash$   | 1      | <del> </del>                                     | 147      | <del> </del>                                     | Н               | $\vdash$        | -               | $\vdash$ |          | $\dashv$        | $\dashv$ |           |
| <b></b>      | 48       | +       | 4            |                   | _    | +  | $\vdash$     | $\vdash$   | $\vdash$        | _        | :::     | <del></del>                                      | 98       | +  | $\vdash$        | $\dashv$ | +        | -+       | +-                                     | +      | +-   |        | $\vdash$   | 148      | $\vdash$   | Н               | Н               |                 | -        | -        | $\vdash$        | $\dashv$ | _         |
| <b></b>      | 49       | ۲       | $\dashv$     |                   | _    | $\vdash$   | $\vdash$     | $\vdash$   |                 | _        |         |  | 99       | +  | $\vdash$        | +        | +        | -+       | +                                      | +      | +  | 1      | <del> </del>                                     | 149      | -  | $\vdash$        | $\vdash$        | _               | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | _         |
| <u> </u>     | 50       | ╁       | ┥            | -+                | -    | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$        | _        |         |  | 100      | ╁╌   | $\vdash$        | $\dashv$ | +        | +        | +                                      | +      | $\vdash$   | 1      |  | 150      | ╁  | $\vdash$        | $\vdash \vdash$ |                 | $\vdash$ | $\vdash$ | $\vdash$        |          |           |
|              | 1 30     | Ц,      | _            | L                 | _    | <u> </u>   | Ц            |  | ш               |          | l ::::: |  | 1 100    | Ш  | ш               |          |          |          | ــــــــــــــــــــــــــــــــــــــ |        |  | J::::: | <u> </u>   | 1 100    | 1  |                 | لـــا           |                 |          | Щ.       | لل              |          |           |